Ezy-Lift™

SERVICE MANUAL & USER GUIDE

EZY 2000 PICKUP TRUCK LIFT

EZY 2000 UTILITY LIFT

EZY 2000 FLAT BED TRAILER

LIFT

LOAD

GO…….

UNLOAD

Patent No.
US 6,799,935 B1

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INTRODUCTION

Using your Operator's Manual

Read this entire Operator's Manual, especially the Safety Information, before operating.

This Manual is an important part of your machine. Keep all Manuals in a convenient location so they can be accessed easily.

Use the Safety and Operating information in both the Ezy-Lift™ Operator's Manual and the Machine Operator's Manual to operate and service the unit safely and correctly.

If your Ezy-Lift™ Manual has a section called "Preparing the Truck", it means that you may need to do something additional to your truck before you can install the Ezy-Lift™ system.

The Assembly and Installation sections of this Manual provide information to assemble and install the Ezy-Lift™ system into the cargo box of your vehicle.

Refer to the Service section if any adjustments are required.

If you have any questions or concerns with the assembly, installation or operation of the unit, contact your Ezy-Lift™ System Representative or **Ezy-Lift™ CUSTOMER CONTACT CENTER: 1-800-974-3032**

PRODUCT IDENTIFICATION

Product Compatibility

The Ezy-Lift™ System is compatible with truck vehicles of the following makes:

Toyota
Chevrolet/GMC
Dodge
Ford

If you need to contact the Ezy-Lift™ Customer Contact Center for information on servicing, always provide the Product Serial Number and Date of Purchase. (Refer to Illustration below)

Please locate the Product Serial Number and record all relevant information in the spaces below.

DATE OF PURCHASE:
_____

DEALER NAME:
_____

DEALER PHONE:
_____

PRODUCT SERIAL NUMBER:
_____

SAFETY

CAUTION

READ THIS ENTIRE OPERATOR'S MANUAL BEFORE BEGINNING WORK

ALWAYS WEAR SAFETY GLASSES AND USE CARE WHEN WORKING WITH POWER TOOLS

Safety is a primary concern in the design and manufacturing of Ezy-Lift™ products. Unfortunately, all efforts to provide safe equipment can be totally negated by a single careless act by an Installer or Operator.

Accident Prevention and Safety are dependent upon the awareness and proper training of the personnel who operate and maintain this equipment. The best safety device is a careful and informed Owner/Operator. Taking precedence over any specific rule, however, is the most important rule of all: **SAFETY FIRST**

Ezy-Lift™ model 2000LBS™ lift system has a rated lift capacity of 905kg (2000 lbs)
Maximum Hydraulic load capacity at full extension – 905kg (2000 lbs)
Maximum Winch load capacity at full extension – 905kg (2000 lbs)

OVERLOADING YOUR VEHICLE CAN CAUSE POTENTIAL SAFETY HAZARDS!

Read and obey all Safety Symbols, Warnings, Cautionary Notes and Operating Instructions on the Ezy-Lift™ and in this Manual.
Ensure that all placards are in place and legible.
Failure to comply with safety precautions in this Manual and on the Ezy-Lift™ is a safety violation that may result in serious injury, death or property damage.

SAFETY LABELS

Understanding Machine Safety Labels

The unit's Safety Labels, as shown in this section, are placed in important areas on your Ezy-Lift™ unit to draw attention to potential safety hazards.

The Safety Labels on your unit are pictorial, ensuring they are most easily and universally understood.

Where necessary, the Operator's Manual explains any potential safety hazards in special safety messages identified with the words **CAUTION** or **BE CAREFUL**, and incorporate the Safety-Alert symbols shown below.

AVOID INJURY

Only trained personnel should be allowed to service or maintain the unit.
Improper service or maintenance can lead to potential unit failure and injury while in use.

SAFETY LABELS (cont...)

CAUTION

CAUTION - KEEP HANDS AWAY

This label is positioned on the lifting arms near the "pinch points" where the lift arms, unit frame and linkages converge, as well as on the lift arm hydraulic cylinders where they pass into and out of the lift frame.
To avoid risk of serious injury it is essential to keep hands away from this area while the unit is in use.
It is the responsibility of the Operator to advise others, including bystanders of this risk.
NEVER remove the CAUTION label and replace immediately if missing.

BE CAREFUL

BE CAREFUL

NEVER depend on the winch or wire rope to support a lifted load.
NEVER stand or move under a lifted load.
While operating the winch use the holding strap to maneuver the load.
DO NOT grip the wire rope or the rope hook.
It is recommended that leather gloves are used when rewinding the wire rope after use.

OPERATIONAL SAFETY

It is the Owner's/Operator's responsibility to use good judgment in the operation and maintenance of the Ezy-Lift™ Load Lift System.

PLEASE READ THIS ENTIRE OPERATOR'S MANUAL BEFORE BEGINNING WORK

It is the Owner's/Operator's responsibility to instruct and ensure that all Operators fully understand the safe operation and maintenance of the Ezy-Lift™ System. Anyone who operates the equipment must read and fully understand this Manual prior to operating the lift system.
Failure to observe these instructions and safety procedures can result in serious injury and/or property damage.
Train Ezy-Lift™ inspection and maintenance personnel for routine and periodic inspections and maintenance. Such training requirements should also provide information for compliance with any Federal, State and Local Code Requirements, existing Company safety rules and regulations and instructions furnished for the Ezy-Lift™ system.
Because Ezy-Lift™, Inc. has no direct involvement or control over the operation and application of the Ezy-Lift™ System once it is installed on a vehicle, conforming to good safety practices is the responsibility of the Owner, the User, and its operating personnel. Therefore, it is essential that all personnel who will install, inspect, test, maintain and operate the Ezy-Lift™ unit, read and completely understand the contents of this Owner's Manual.
Only those authorized and qualified personnel who have shown that they have read and understood the Owner's Manual and have understood the proper operation and maintenance of the Ezy-Lift™ System should be permitted to operate the Ezy-Lift™ System.

General Safety Information

READ and save all instructions.
NEVER engage in any practice that will divert your attention while operating the Ezy-Lift™ System.
NEVER operate the Ezy-Lift™ System from the Driver or Passenger seats.
ALWAYS disconnect the Ezy-Lift™ Controller and cable from the receptacle when moving the vehicle.
NEVER overload. Overloads can cause damage and create unsafe operating conditions. Ensure that the rated load capacity of any sling, lifter or fitting is not exceeded. Learn to use the Ezy-Lift™ System correctly. Take time to practice so that you are comfortable with the operating system.

Maximum Hydraulic load capacity at full extension – 905 kg (2000 lbs)
Maximum Winch load capacity at full extension – 905 kg (2000 lbs)

NEVER handle the wire winch cable with bare hands
ALWAYS use leather gloves when handling the winch cable.
NEVER allow children or unauthorized personnel to operate the Ezy-Lift™ System at any time.
NEVER use the unit for lifting, supporting or transporting people.
NEVER stand beneath the load or Ezy-Lift™ System lift frame or use over areas where people are present.
NEVER operate the Ezy-Lift™ System with Driver or Passenger in the vehicle.

OPERATIONAL SAFETY (cont...)

General Safety Information (cont...)

NEVER operate the Ezy-Lift™ System when someone is within an unsafe distance (clear of moving components).

NEVER lift a load with a weight exceeding 905 kg (2000lb).

Maximum Hydraulic load capacity at full extension – 905 kg (2000 lbs)

Maximum Winch load capacity at full extension – 905 kg (2000 lbs)

NEVER lift anything with the Ezy-Lift™ System while the truck is on an incline or side of hill.

NEVER lift anything into the bed that will not fit, cause the vehicle to be unstable when driven or that cannot be safely secured as to not move around when transported.

USE CAUTION - keep people, pets and property clear of the path of the load - keep work area clear and free of obstructions.

DO NOT use for supporting an unattended load.

DO NOT use for towing other vehicles.

Before Operating

Visually inspect the hook, winch cable, winch and accessories for any damage or wear.

Reject nylon slings with abnormal wear, torn stitching, broken or cut fibers or discoloration or deterioration.

Reject wire-cable with kinking, crushing, bird-caging or other distortions, evidence of heat damage, cracks, deformation or worn end attachments, six randomly broken wires in a single cable lay, three broken wires in one strand of cable, cracked hooks and hooks open more than 15% at the throat.

Ensure that the truck cargo bed and suspension system are in good condition; i.e. shocks, springs etc.

Check to see that all fasteners are secure and that the gusset screws are all tight.

Check for any evidence of hydraulic fluid leaks.

NEVER MOVE THE TRUCK WITH A SUSPENDED LOAD

OPERATIONAL SAFETY (cont...)

Moving a Load

Center the hook over the load to keep the cable from slipping out of the drum grooves and overlapping, and to prevent the load from swinging when it is lifted. Inspect the drum to verify that the cable is in the grooves. Lift the load only high enough to clear the tailgate or rear of the cargo bed.

Keep fingers and arms well clear of the pinch points between the Ezy-Lift™ System arms and frames.

NEVER stand in cargo bed when loading or unloading.

NEVER operate Ezy-Lift™ System while the truck is on an incline or side of a hill.

AVOID SIDE PULLS - These can cause the winch cable to slip out of the drum groove, damaging the wire or destabilizing the winch.

NEVER leave suspended loads unattended. In an emergency where the Ezy-Lift™ System has become inoperative, or if a load must be left suspended for any length of time, barricade and post signs under the load and on all three sides. Turn off the truck and set the parking brake it so it cannot be moved.

Disclaimer

The Ezy-Lift™ System Model 2000LBS is manufactured to exacting specifications and standards using high quality materials, components and workmanship.

Guidelines for load lifting and safe operation need to be observed when using/operating the Ezy-Lift™ Model 2000LBSS load lift system. Overall performance of the system depends on the guidelines and safe operation information in the OM being observed in conjunction with conditions on the day.

Examples of "conditions on the day" could be temperature variations, including highs and lows; hot, dry, cold, raining; as well as size and type of load being lifted.

Ezy-Lift™ is not able to control your working environment or safe operating practices at any given time, and are therefore not liable for variations in performance or injury resulting from misuse or variations in "conditions on the day".

OPERATING the Ezy-Lift™ SYSTEM

Your Ezy-Lift™ System operates from the truck's 12-volt battery, which provides power to the winch and the hydraulic power unit. The hydraulic unit is completely self-contained with a DC motor, gear pump, reservoir, load hold check valves and relief valves to prevent overloading.
Flow from the pump to a pair of double acting cylinders provides the lift and rotation necessary to extend and retract the lift arms via the hand-held remote control.

USING THE UNIT UNDER LOW VOLTAGE CONDITIONS CAN REDUCE LIFE OF THE HYDRAULIC PUMP AND WINCH

OPERATING INSTRUCTIONS

STEP 1: Position your truck to allow the entire loading or unloading operation to be performed without having to move the vehicle. Ideally the truck will be on solid, level ground.
Ensure that there is adequate overhead clearance for the lift arms to operate and extend fully.
Maximum Hydraulic load capacity at full extension – 905 kg (2000 lbs)
Maximum Winch load capacity at full extension – 905 kg (2000 lbs)

STEP 2: Set the truck parking brake and leave the engine running so as not to discharge the battery.

STEP 3: Open the truck tailgate - very important to prevent damage to the truck's tailgate **In some instances it is preferable to remove the tailgate prior to loading cargo.**

STEP 4: Plug the remote control assembly into the power/control jack that is located on the Driver's side, near the base of the tailgate opening.

STEP 5: Turn the Main Switch to the **ON** position. THE UNIT IS NOW READY FOR OPERATION.
The Remote Control unit has two rocker buttons; one for the boom and one for the hoist.
Each button is double acting with the following commands: **BOOM IN**, **BOOM OUT**, **HOIST DOWN** and **HOIST UP**.
To activate the lift arms, press and hold the **BOOM OUT** control button. This will cause the arms to rise from their parked position and rotate out approximately 150° over the truck bed.
To reverse the process and return the lift arms to their parked (down) position, press and hold the **BOOM IN** control button until the arms are fully down. Similarly, to activate the crane winch, press and hold the **HOIST DOWN** control button to lower (unwind) the wire/hook and the **HOIST UP** control button to raise (wind) the wire/hook. Both the lift arms and the crane winch can be stopped in any position by simply releasing the control button.
Practice moving the arms in and out, raising and lowering the wire cable, and become comfortable with operating the system. Attaching a small load or providing tension to the winch hook when raising and lowering the wire cable will help keep the wire cable tightly wound on the drum.
Make sure that the wire winds evenly across the entire surface of the winch drum.

STEP 6: Now that you are familiar with the controls, press and hold the **BOOM OUT** control button to raise the lift arms and position them over the object to be lifted. Ensure that the winch is positioned directly above the center of the load to be lifted in order to prevent the load from swinging as it is hoisted from the ground.
NOTE: A swinging load could cause injury and/or property damage.
For large objects it may be necessary to remove the truck tailgate in order to correctly position the winch above the load.
Failure to do so may cause damage to your vehicle and/or cargo box.

OPERATING the Ezy-Lift™ SYSTEM

OPERATING INSTRUCTIONS (cont...)

STEP 7: With the lift arm and winch now centered over the load, press and hold the **HOIST DOWN** button to lower the wire cable's hoist hook into position for attaching to the load. Keeping tension on the wire cable while it unwinds will prevent slippage of the wire cable once the load is attached.
NEVER WRAP THE LIFTING CABLE AROUND THE LOAD
Use a nylon sling or metal chain to attach the hook to the load.
Wrapping the wire cable around the load and hooking it back onto itself can damage the cable and create a potential safety hazard.
NEVER ATTACH a sling or chain link to the tip of the lifting hook or attempt to lift a load from the tip of the hook. Make sure that the nylon sling or chain is properly seated in the saddle of the hoist hook.

STEP 8: With the load now attached, press and hold the **HOIST UP** button. Slowly take up slack in the wire cable until it becomes taut. Keep tension on the wire cable during this process and make sure that the cable winds evenly across the drum.
STOP - Recheck all lifting connections before proceeding to lift the load.

STEP 9: When sure that all the lifting connections are secure, depress the **HOIST UP** button to slowly lift the load from the ground just high enough to clear the truck tailgate.
DO NOT PULL FROM ANGLES as this can damage the lift arms. Continuous pulls at angles will also cause the wire cable to pile up at one end of the winch drum.
This can jam the wire cable and damage the winch and/or cable.
ALWAYS MAINTAIN at least five (5) wraps of wire cable on the winch drum, otherwise the wire cable drum fasteners will not withstand the load.

STEP 10: Press and hold the **BOOM IN** button to move the load onto the truck bed.
Use the **HOIST DOWN** button to keep the load low during the process.
Once the load is at the desired position, release the **BOOM IN** button to stop the lift arms.

STEP 11: Slowly lower the load onto the truck bed by pressing and holding the **HOIST DOWN** button.
Once the load is resting safely in the truck bed, disconnect the wire cable's hoist hook from the load.

STEP 12: Depress the **HOIST UP** button to rewind the wire cable onto the winch spool.
DO NOT OVERWIND as this could damage the winch and/or wire cable.
Apply tension to the winch cable to ensure that it winds evenly and smoothly onto the winch spool.

STEP 13: Return the lift arms to their parked position using the **BOOM IN** button.

STEP 14: Turn the Main Switch to the **OFF** position.

STEP 15: ALWAYS REMOVE the remote control from the power jack and store it in a clean, dry location to avoid damage while transporting the load.

To prevent unauthorized use of the unit, NEVER leave the truck unattended with the remote control inserted into the power jack.

PLACE THE REMOTE CONTROL IN A SAFE, SECURE LOCATION WHEN NOT IN USE

Ezy-Lift™ INSPECTION & MAINTENANCE

Your Ezy-Lift™ System is designed to give years of faultless operation. However, as with any mechanical product, periodic inspection and maintenance is required to keep the unit in its best operating condition.

Here are a few tips that Owners/Operators should periodically perform to keep the unit in top condition.

PLEASE REVIEW THIS INFORMATION

If you have any questions please contact Ezy-Lift™ during normal business hours, Central Standard Time, Monday through Friday - excluding holidays.

WINCH WIRE CABLE

Wire cable consists of a core, strands, and wires. The wire cable fits and wraps onto grooves on the circumference of the winch drum that transmits motion to the wire cable. Wire cable sizes are stated as the diameter of a circle that would enclose the wire cable strands; i.e. 8mm, 9.5mm (5/16", 3/8"), etc. Each wire cable size is available in various cable constructions and materials.

- **Routinely check** that the winch wire cable has not become loosely wound. Under load, a loosely wound spool allows the wire cable to work its way down into the layers of wire cable on the drum. This can cause the wire cable to become wedged within the body of the windings on the spool and damage the wire cable. Keep tension on the wire cable during unwinding and rewinding. A good practice is to inspect and rewind the wire cable under tension after each use.
- **Routinely check** to see that the wire cable is evenly wound on the drum and not bunched to one side of the winch drum. During winding of the wire cable check to see that the cable is winding evenly on the drum. If necessary rewind the wire cable under tension making sure that the cable is evenly placed across the width of the winch drum.
- **Routinely check** the wire cable for evidence of kinking or damage. Replace any cable found to have evidence of kinking or damage.

Loosely wound spool or cable wound at one end of the winch drum allowing it to become wedged can damage the wire cable and could cause it to break under load resulting in the potential for both property damage and injury.

Fraying and kinking reduces the load capacity of the wire cable. Replace the wire cables immediately if either condition is found.

When replacing the wire cable, be sure to insert the attaching end of the wire cable into the correct end of the drum hole (See Figure 1) Tighten the set screws securely.

Always use a wire cable with minimum break strength of at least 2,540kg (5,600 lbs).

NOTE: Always remember to use heavy leather gloves when handling wire cable.
Do not allow the wire cable to slide through bare hands.

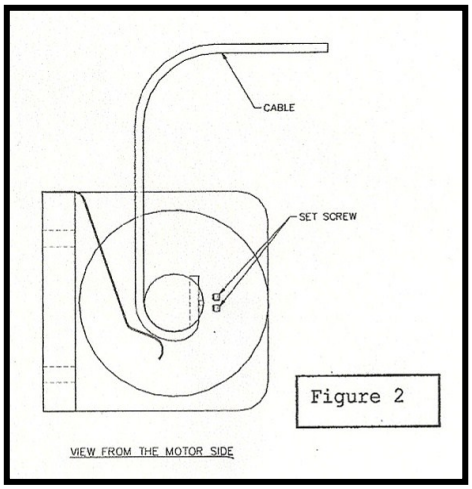


Figure 2

PLASMA
12 STRAND

Plasma 12 strand is the highest strength synthetic rope available. Plasma 12 strand is manufactured from Honeywell Spectra Fiber that has been enhanced by Puget Sound Rope's patented recrystallization process. This process is especially effective in medium to large diameter ropes where strengths are over 50% higher and creep is significantly less than that of standard Spectra 12 strand.

Plasma 12 strand comes standard with a polyurethane finish and is easily spliced using a simple lockstitch type splice, 4-3-2 or 5-4-3 Tuck splice. Its soft, torque free braided construction provides easy handling.

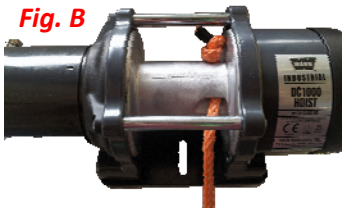
- ***Highest strength***
- ***Lowest stretch***
- ***Low creep***
- ***Soft hand***
- ***Torque free***
- ***Easy Splicing***
- ***Floats***

	Nominal Diameter		Size Number	Approximate Weight		Minimum Tensile Strength	
	Inch	MM	(circ)	**Lbs/100ft**	Kg/100m	**Pounds**	kN
12 STRAND	**0.04**	1	0.12	**0.05**	0.1	**270**	1.2
	0.05	1.25	0.15	**0.07**	0.1	**390**	1.7
	0.06	1.5	0.18	**0.1**	0.1	**475**	2.1
	0.07	1.75	0.21	**0.14**	0.2	**750**	3.3
	0.1	2.5	0.3	**0.27**	0.4	**1400**	6.2
	1/8	3	3/8	**0.54**	0.8	**2800**	12.5
	3/16	5	9/16	**1.12**	1.7	**5500**	24.5
	1/4	6	3/4	**1.6**	2.4	**8000**	35.6
	5/16	8	15/16	**2.5**	3.7	**11700**	52
	3/8	9	1 1/8	**3.7**	5.5	**17500**	77.8

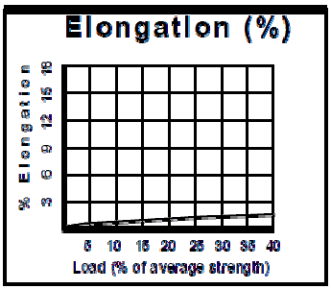
Tensile Strengths are determined in accordance with Cordage Institute 1500, Test Methods for Fiber Rope. Weights are calculated at linear density under standard preload (2000d²) plus 4%.

Fig. A

Fig. B



When Replacing the Synthetic Plasma 12 Strand Rope, be sure to insert the attaching end of the rope into the correct end of the drum hole. Tie a Figure Eight Knot (See Figure A and B) to secure to drum.



Specific gravity	0.98*
Melting point	284° F (140° C)*
Critical temperature	150° F (65° C)*
Coefficient of friction	0.09-0.12*
Elongation at break	4% - 5%
Fiber water absorption	0%
UV resistance	moderate
Wet abrasion	superior
Dry abrasion	superior

**-value based on data supplied by the fiver manufacturer for new, dry fiber*

Type Approved Product

DNV

ABS TYPE APPROVAL PROGRAM

Ezy-Lift™ INSPECTION & MAINTENANCE (cont...)

HYDRAULIC UNIT

The Ezy-Lift™ Hydraulic Unit is completely self-contained and requires no maintenance. However, periodic inspection of hydraulic cylinders, hoses and fittings for any sign of leakage is recommended. Periodically check the oil level in the fluid reservoir and add oil as needed to maintain full capacity.

The hydraulic pump and fluid reservoir is located directly behind the cover hatch on the Driver's side of the unit.

With the lift cylinders fully retracted (lift arms in the parked position), the fluid reservoir should be approximately 2/3 full 25mm to 38mm (1" to 1-1/2") beneath the filler inlet (See Figure 2)

DO NOT OVERFILL. Adding too much oil could cause the reservoir to overflow when your vehicle is in motion. Use Automatic Transmission Fluid (ATF) with a viscosity range of 150-300 SSU at 100°F.

(Figure 2)

MAINTENANCE INTERVALS

Your Ezy-Lift™ Lifting System should be serviced every 2 years or 400 hours of normal operation. That service to include:

- Inspect and lubricate bearings.
- Check all hydraulic fittings for leaks or signs of wear - tighten or replace as necessary.
- Inspect hydraulic power unit and reservoir for leaks or damage - repair or replace as necessary. Replace hydraulic fluid and inspect old fluid for signs of problems.
- Check cylinder for leaks and inspect cylinder rod for evidence of wear or damage - repair or replace as necessary.
- Inspect for corrosion and treat as necessary.
- Inspect electrical system for corrosion or damage - repair or replace as necessary.
- Inspect all bolts, including frame attachment to cargo bed, frame to arm assemblies, gusset and winch. Tighten and/or replace as necessary.
- Inspect winch housing and motor for any signs of wear or problems - repair or replace as necessary.

TROUBLE SHOOTING

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Boom Arms will not raise or lower	Unit Off/On switch is "OFF"	Turn the switch "ON"
	Remote Control assembly not properly plugged in	Remove and re-insert the Remote Control assembly
	Poor electrical connection	Check all wire connections with pump
	Hydraulic pump solenoid failure	If motor runs, cycle manual solenoid override button in & out several times to free valve, test with boom "in" or "out" button on pendent. Boom may be stowed by moving manual solenoid override button in or out and depressing boom button on pendent simultaneously.
Winch will not operate or it runs in one direction	Remote Control assembly not properly plugged in	Remove and re-insert the Remote Control assembly
	Poor electrical connection	Check all wire connections leading up to the winch
Boom Arms and Winch will not operate	Fuse at vehicle battery blown	Replace fuse
	Fuse at pendent is blown	Replace fuse, located in pump housing
	Poor electrical connection	Check all wire connections
	Vehicle battery charge is low	Recharge or replace battery

Remove the dome plug to access the valve stem located on the front of the unit .

If motor runs, cycle manual solenoid override button in & out several times to free valve, test with boom "in" or "out" button on pendent.
Note: Remove the load, if any, before retracting the boom.

PARTS

We recommend Ezy-Lift™ authorized replacement Parts available by contacting:

- USA & Canada: 1-800-974-3032
- Or visit "www.Ezylift.com" for your internet connection to Parts ordering and Information.

Ezy-Lift™ provides a process to handle your questions or problems, should they arise, to ensure that product quality continues with your Ezy-Lift™ Parts and Service Support.

FOLLOW THE STEPS BELOW TO GET ANSWERS TO ANY QUESTIONS YOU MAY HAVE REGARDING YOUR EzyLift™ SYSTEM

Ezy-Lift™ QUALITY CONTINUES WITH QUALITY SERVICE

- Refer to the appropriate Product Manual
- Refer to the Product Serial Number
- Refer to Part Item Number for Parts enquiries
- Contact Ezy-Lift™ with unanswered questions
  USA & Canada: 1-800-974-3032

Ezy-Lift™ SPECIFICATIONS

MODEL (Ezy-Lift™ 2000LBS)

Manufacturer ..... Ezy-Lift™
Model Number ..... Ezy-Lift™ 2000LBS

CAPACITIES

Lift Capacity ..... 905 kg (2000 lbs)
Maximum Hydraulic load capacity at full extension ..... 905 kg (2000 lbs)
Winch Capacity ..... 905 kg (2000 lbs)
Maximum Winch load capacity at full extension ..... 905 kg (2000 lbs)
Winch Swivel Hook .....953 kg (2100 lbs)

LIFT SYSTEM

Cylinders - Hydraulic ..... 2 x 6.35mm (2-1/2”) bore 41mm (16”) stroke
Power-Pack - Hydraulic ..... 12 Volt Elect
Frame ..... 11 Gauge Steel with Black Finish

WINCH

Manufacturer ... . Mile Marker 3.5

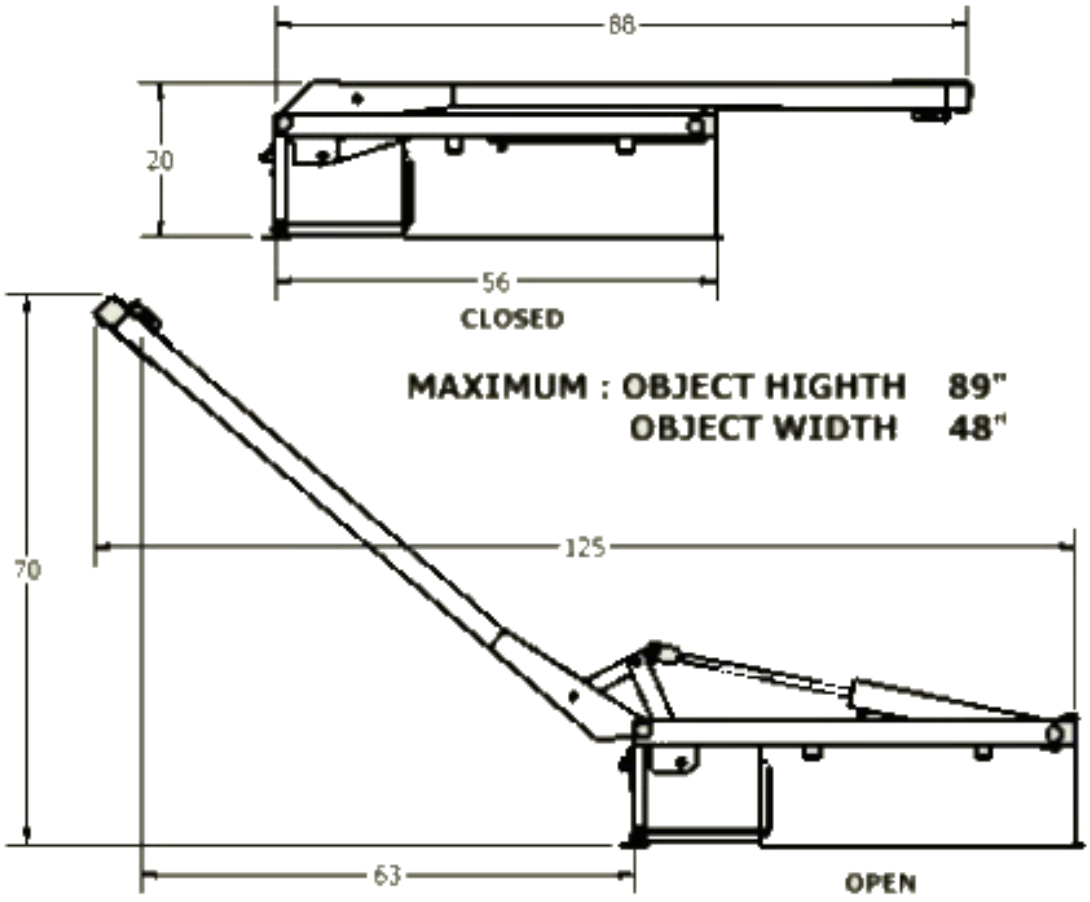
ELECTRICAL

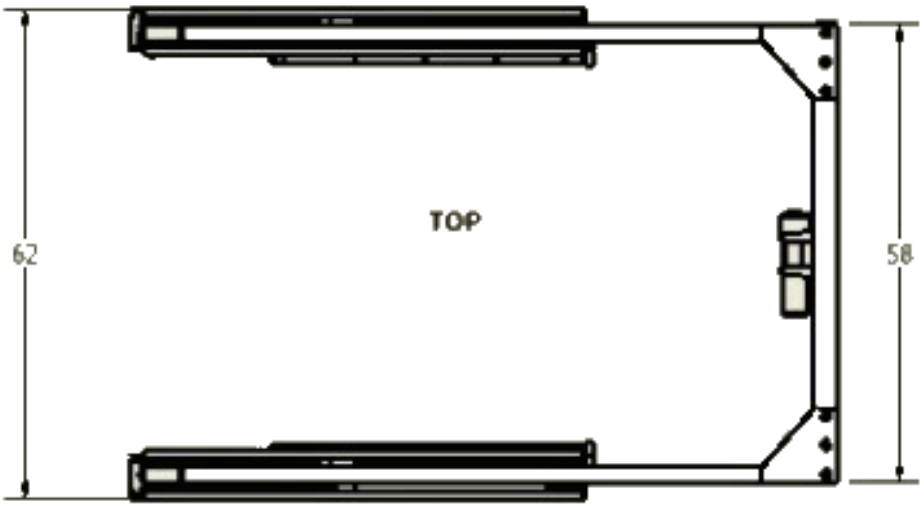
Voltage - System ..... 12 Volts DC
Voltage - Winch ..... 12 Volts DC
Amperage - System ..... 150 amps
Amperage - Winch .....Limited to 150 amps
Fuse - Lift & Winch System ..... 150 amps at Vehicle Battery

FLUID CAPACITIES

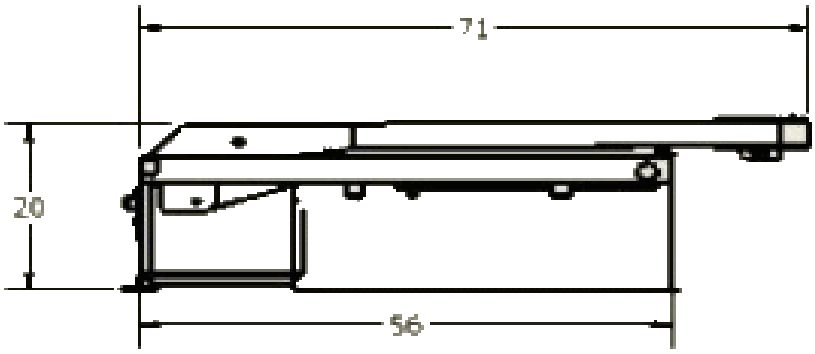
Oil - Hydraulic Type ..... Automatic Transmission Fluid (ATF)
Oil - Hydraulic Capacity ..... 3.785 Liters (1 U.S. Gallon)

EZY 2000 LONG

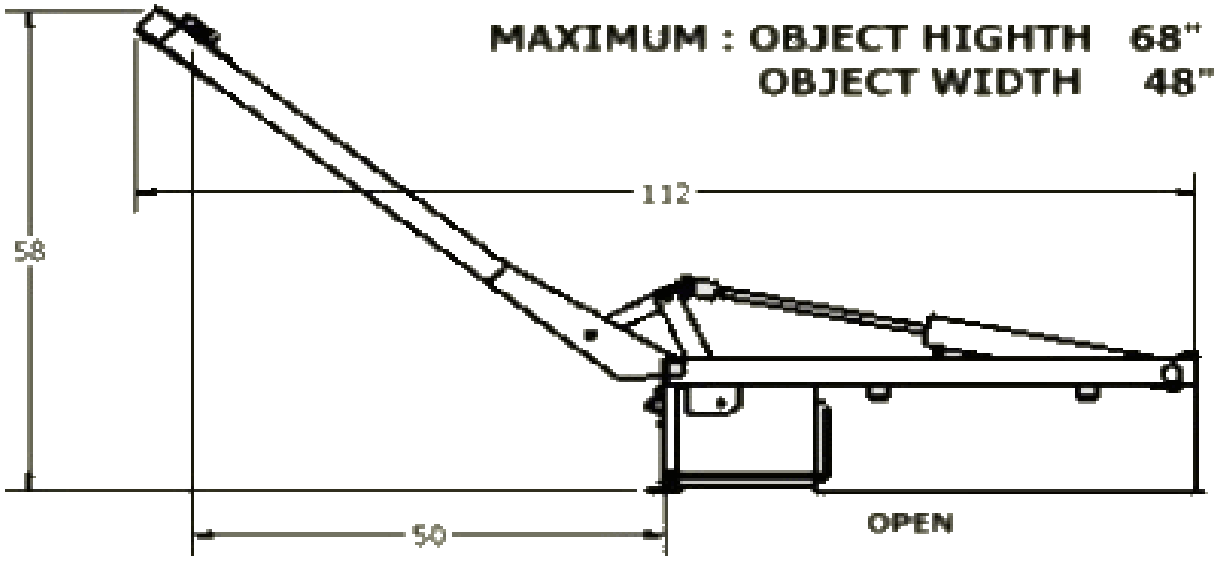




EZY 2000 SHORT

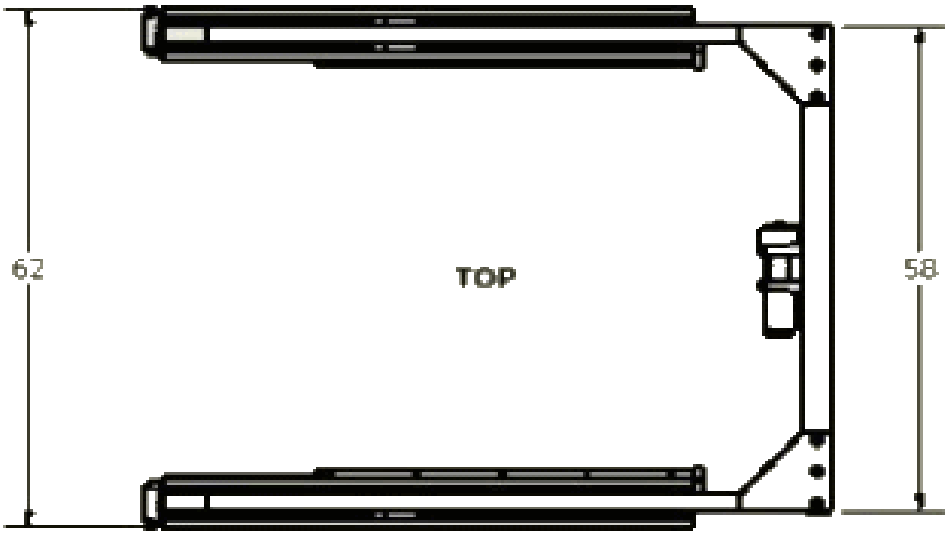


CLOSED



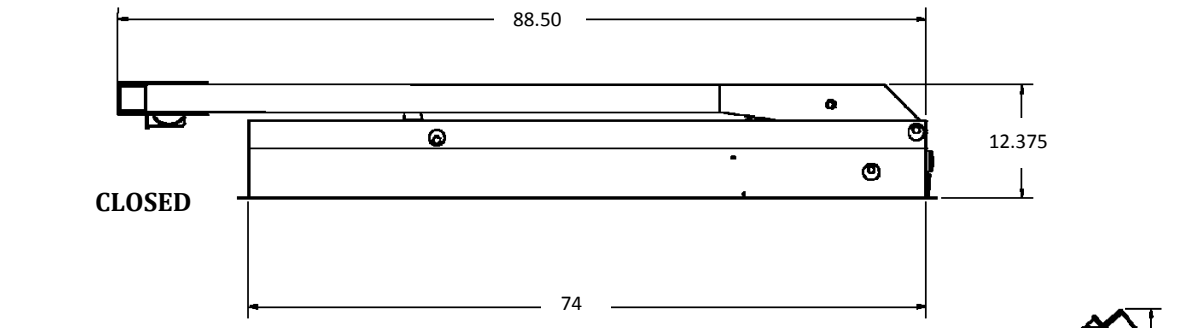
MAXIMUM : OBJECT HIGHTH 68"
OBJECT WIDTH 48"

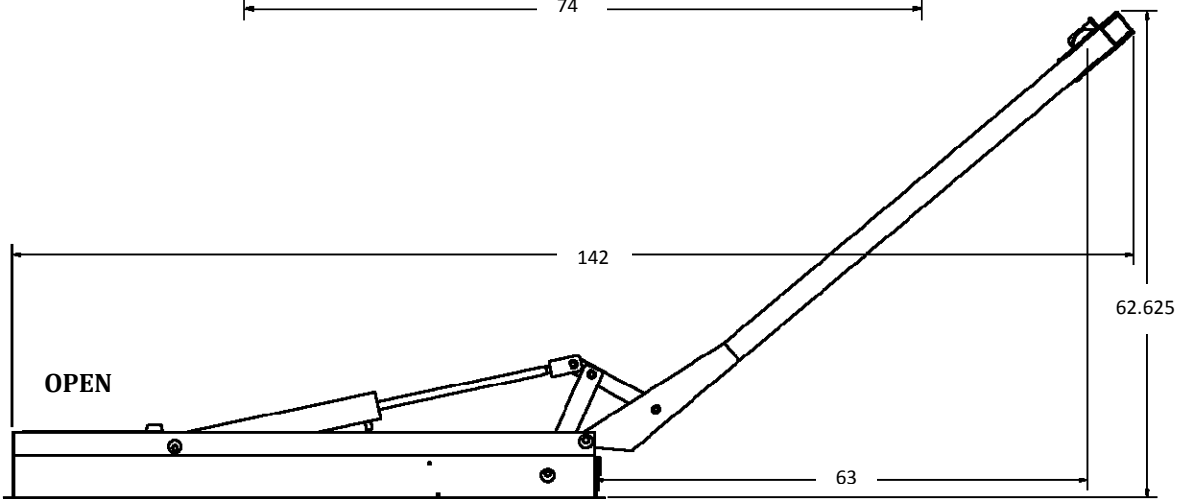
OPEN

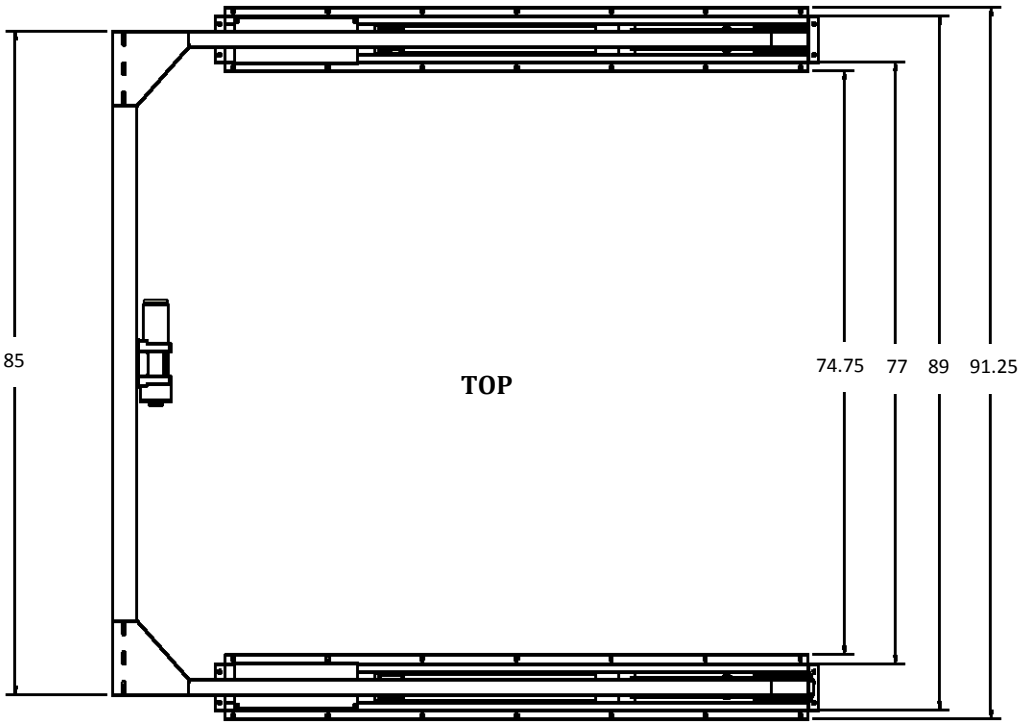


TOP

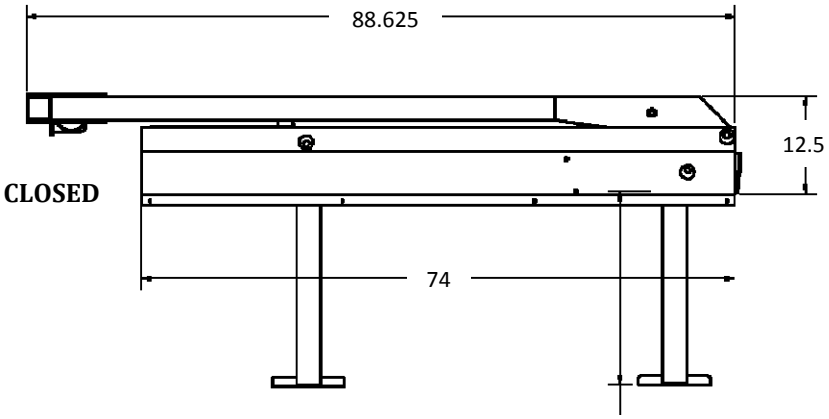
EZY2000 FLAT BED TRAILER





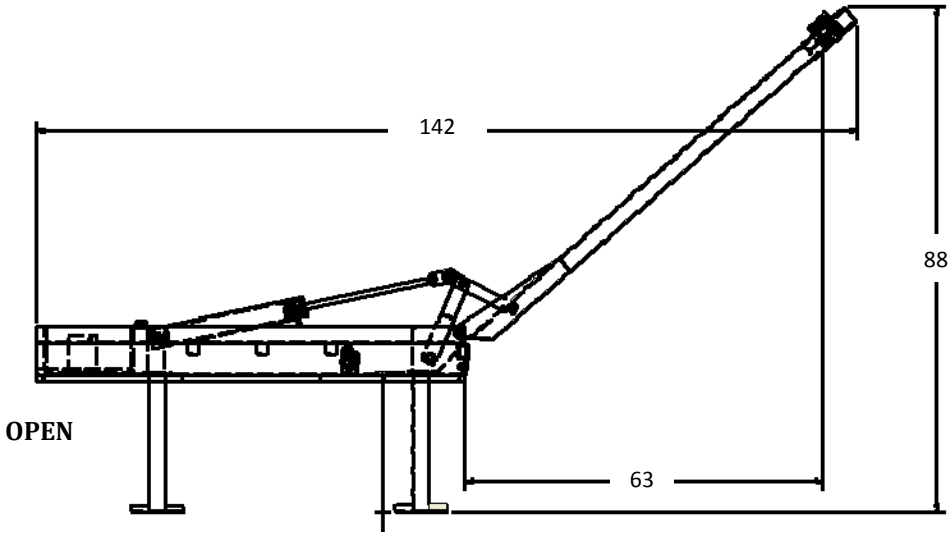


EZY 2000 UTILITY



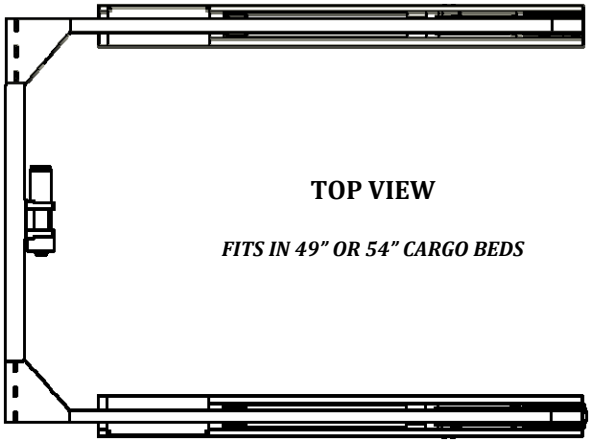
CLOSED

Leg Supports *Standard 24.25” *Low Profile 20.25”



OPEN

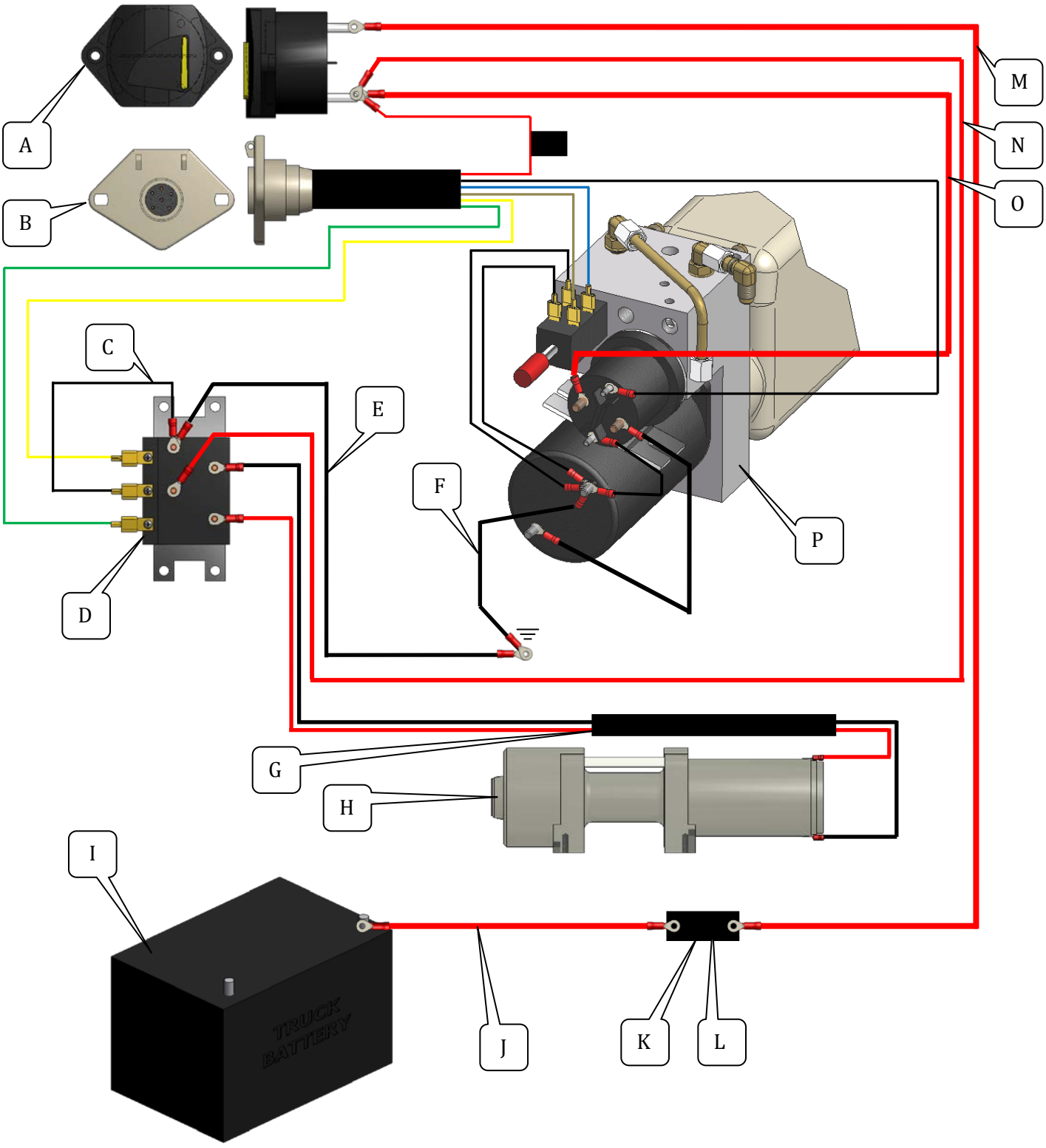
Leg Supports *Standard 24.25” *Low Profile 20.25”



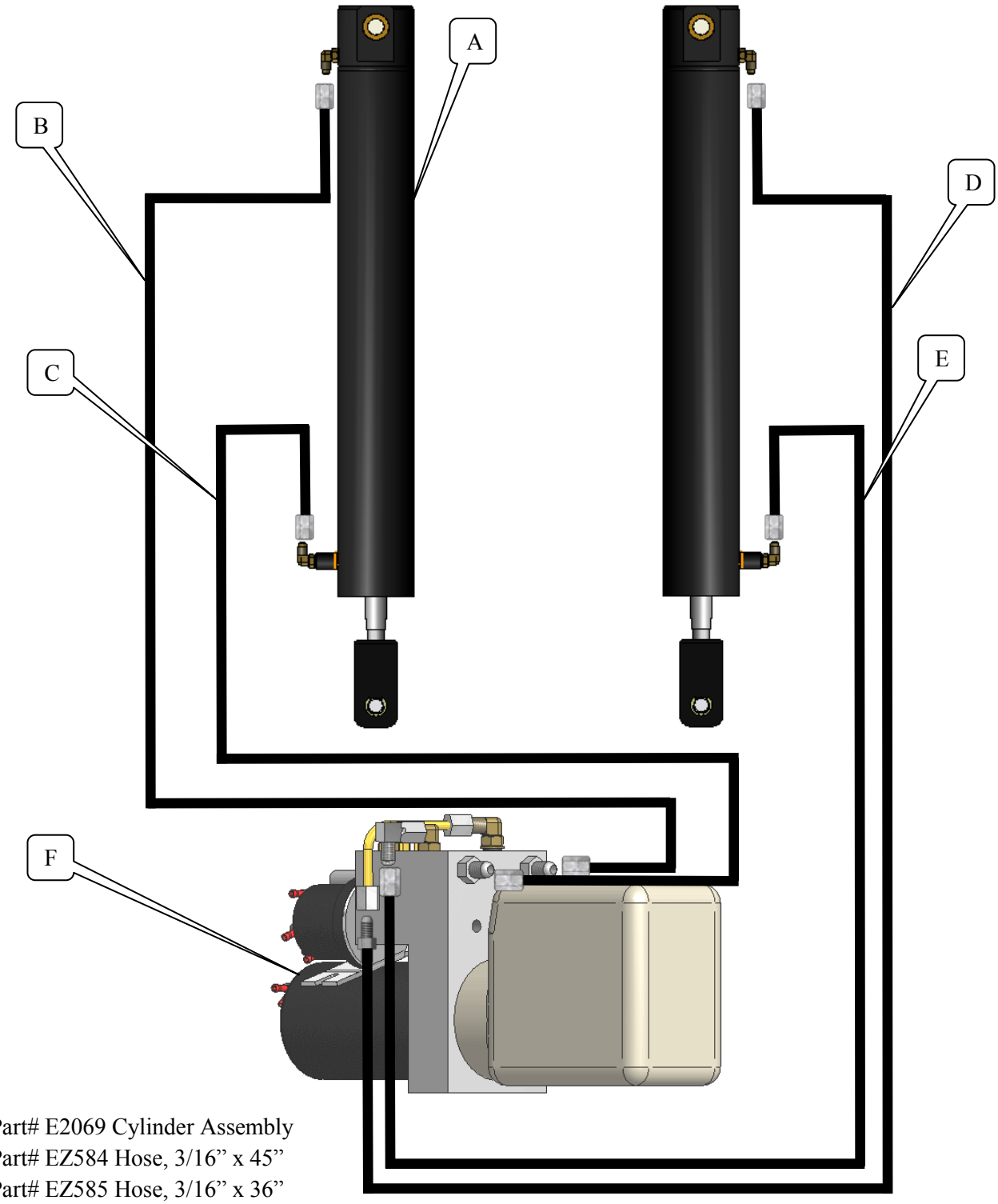
TOP VIEW

FITS IN 49” OR 54” CARGO BEDS

EZY2000 FULL WIRING DIAGRAM

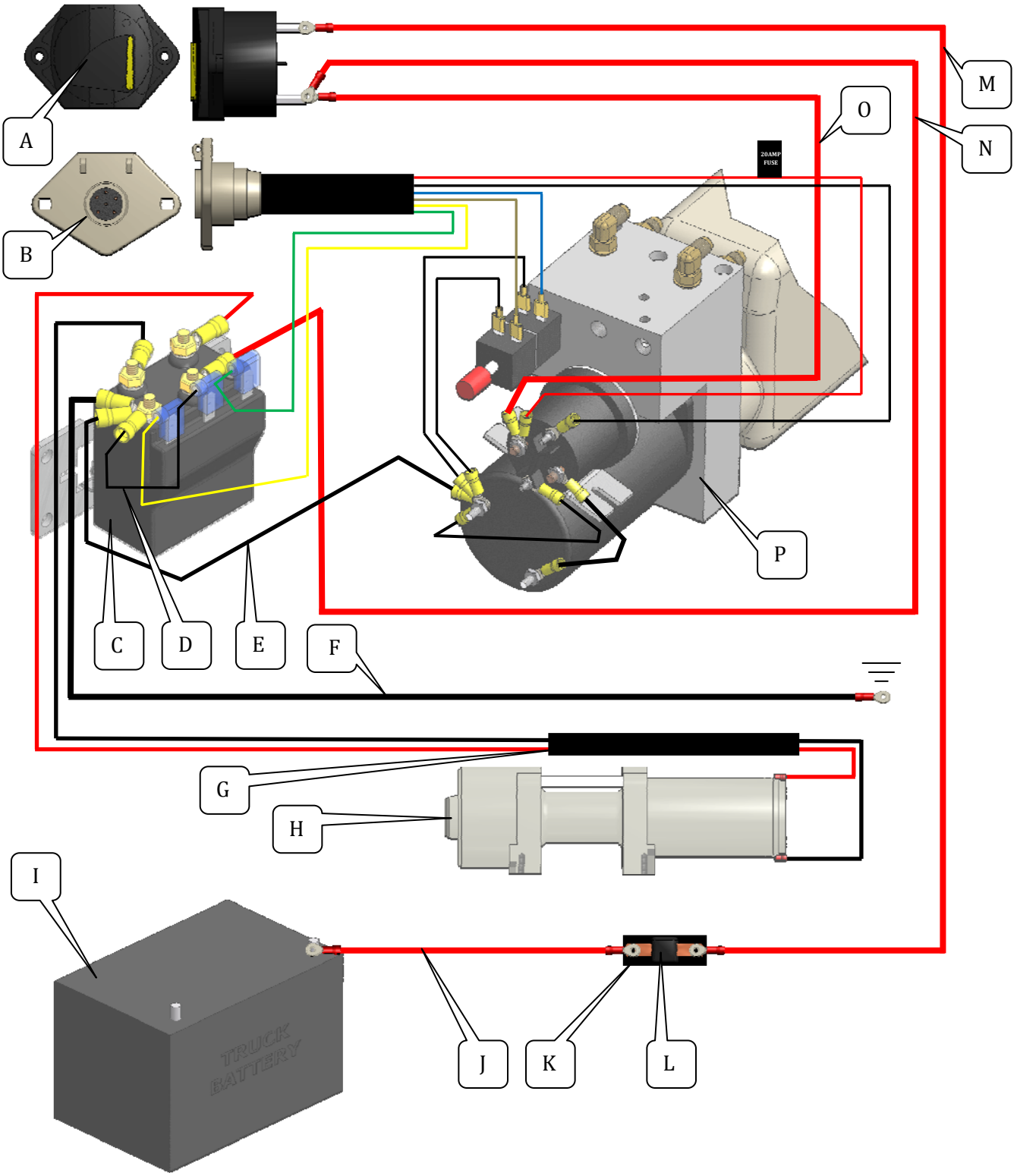


A) Part# EZ508 Circuit Breaker 150AMP
B) Part# WG139 Controller Plug-In
C) Part# WG132 16GA. Black Cable (Winch Solenoid to Winch Solenoid Ground)
D) Part# EZ705 Winch Solenoid
E) Part# WG143 8GA. Black Cable (Solenoid to Pump Base Ground)
F) Part# WG134 8GA. Black Cable (Pump Ground to Pump Base Ground)
G) Part# WG125 8GA. Black and Red Cable (Solenoid to Winch)
H) Part# E2052 Winch Assembly
I) Truck Battery {NOT INCLUDED}
J) Part# WG110 4GA. Red Cable (Winch Fuse Box to Truck Battery)
K) Part# EZ494 Winch Fuse Box
L) Part# EZ655 150AMP Fuse
M) Part# WG140 4GA. Red Cable (Circuit Breaker 150AMP to Winch Fuse Box)
N) Part# WG141 8GA. Red Cable (Circuit Breaker 150AMP to Winch Solenoid)
O) Part# WG144 4GA. Red Cable (Circuit Breaker 150AMP to Pump Solenoid)
P) Part# E2070 Pump Assembly

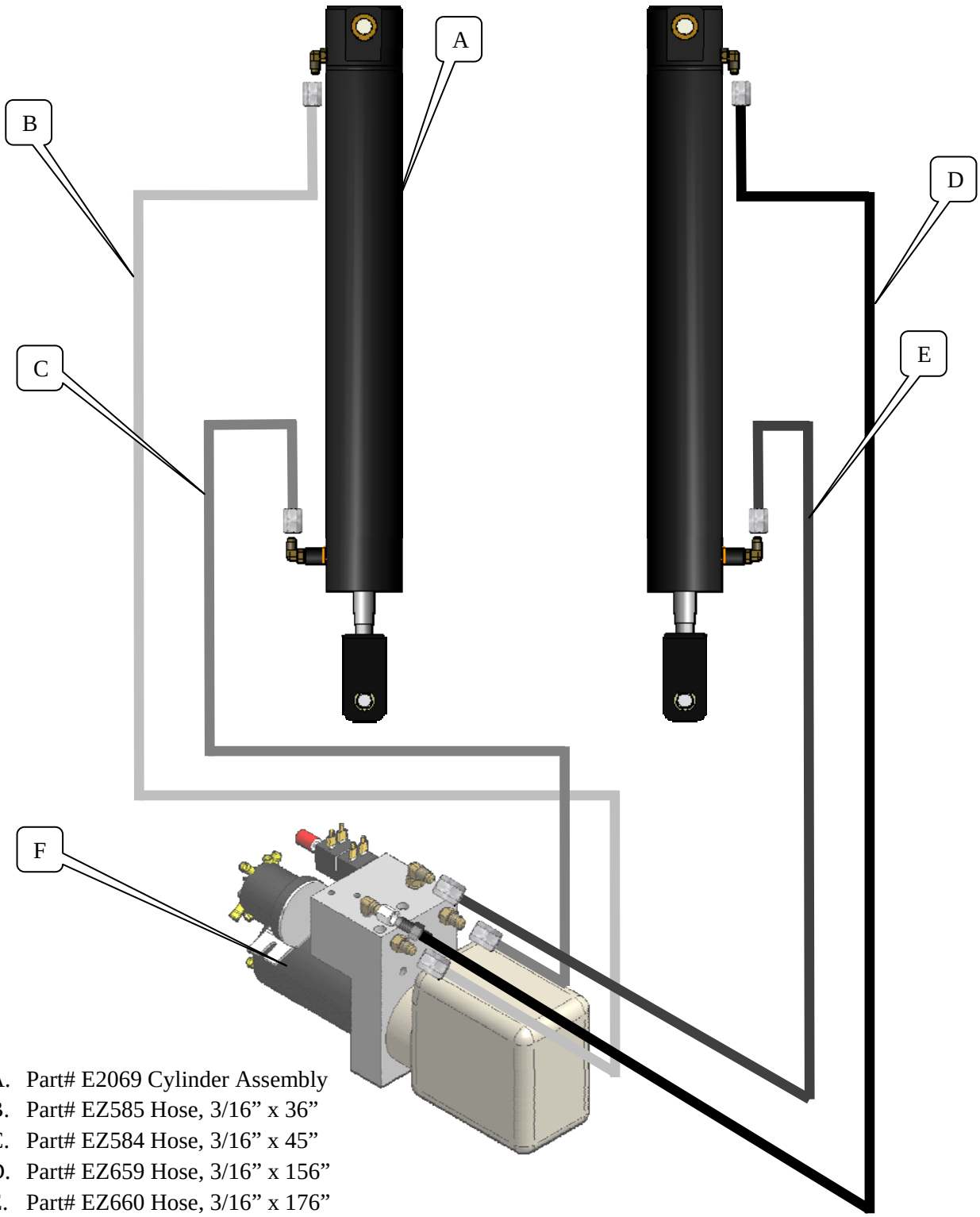


A. Part# E2069 Cylinder Assembly
B. Part# EZ584 Hose, 3/16” x 45”
C. Part# EZ585 Hose, 3/16” x 36”
D. Part# EZ587 Hose, 3/16” x 138”
E. Part# EZ586 Hose, 3/16” x 126”
F. Part# E2070 Pump Assembly

WIRING DIAGRAM

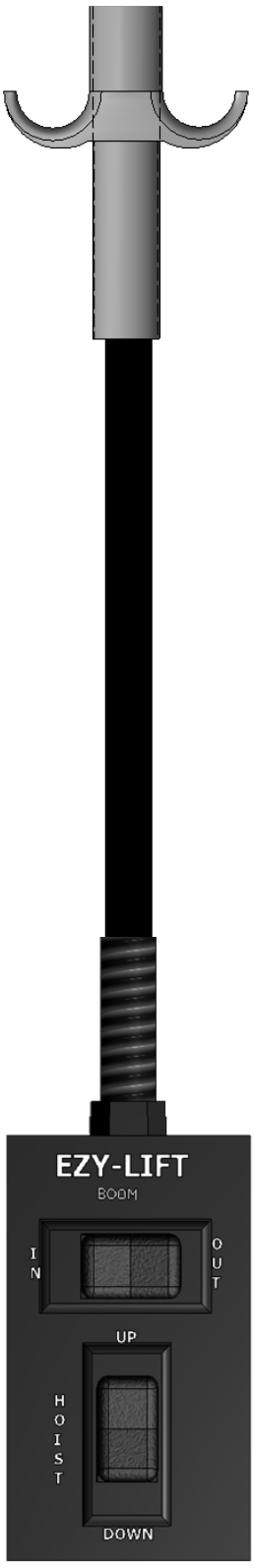


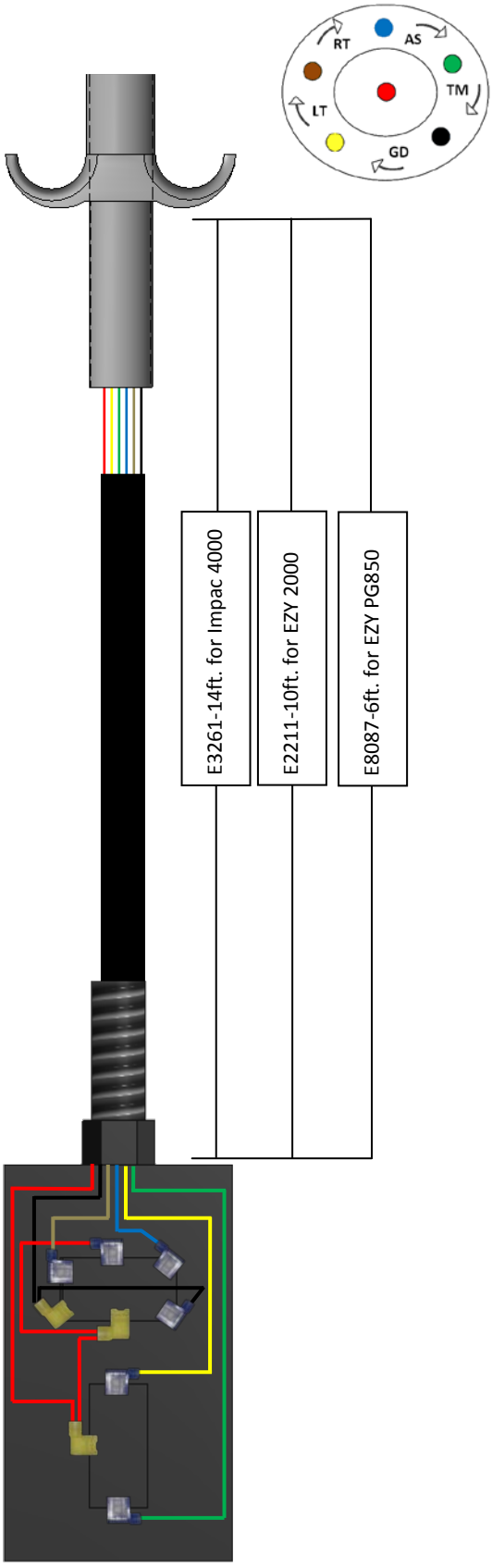
A) Part# EZ508 Circuit Breaker 150AMP
B) Part# WG124 Controller Plug-In
C) Part# EZ878 Warn Winch Solenoid
D) Part# WG132 16GA. Black Cable (Winch Solenoid to Winch Solenoid Ground)
E) Part# WG133 8GA. Black Cable (Winch Solenoid to Pump Ground)
F) Part# WG145 4GA. Black Cable (Winch Solenoid to Ground on Truck)
G) Part# WG125 8GA. Black and Red Cable (Winch Solenoid to Winch)
H) Part# E2011 Warn Winch Assembly
I) Truck Battery {NOT INCLUDED}
J) Part# WG110 4GA. Red Cable (150Amp Fuse Box to Truck Battery)
K) Part# EZ494 150Amp Fuse Box
L) Part# EZ655 150Amp Fuse
M) Part# WG146 4GA. Red Cable (Circuit Breaker 150AMP to Winch Fuse Box)
N) Part# WG127 8GA. Red Cable (Circuit Breaker 150AMP to Winch Solenoid)
O) Part# WG126 8GA. Red Cable (Circuit Breaker 150AMP to Pump Solenoid)
P) Part# E2102 Utility Pump Assembly



A. Part# E2069 Cylinder Assembly
B. Part# EZ585 Hose, 3/16” x 36”
C. Part# EZ584 Hose, 3/16” x 45”
D. Part# EZ659 Hose, 3/16” x 156”
E. Part# EZ660 Hose, 3/16” x 176”
F. Part# E2102 Utility Pump Assembly

EZY LIFT **REMOTE CONTROL DIAGRAM**





WARRANTY

Ezy-Lift™ warrants the Ezy-Lift™ product to the original Buyer against defective materials and parts for one (1) year / Winch thirty (30) days from the date of purchase.

Ezy-Lift's sole and exclusive liability and the Buyer's sole and exclusive remedy, under this Warranty, is the
repair or replacement of any materials or parts determined to be defective by Ezy-Lift™ .
In no event shall Ezy-Lift™ be liable for incidental or consequential damages, including, but not limited to
inspection or transportation cost, cost of cover, loss of profits, loss of use, and damages or injury of any kind based upon claim for breach of Warranty.

This Warranty does not cover breaking or fraying of the winch rope, cost of labor for field repairs,
transportation charges in connection with replacement or repairs of defective parts, or any damage as a result of misuse, neglect, overloading, accident, improper installation, maintenance or repair, unauthorized
alteration, or use of the product beyond the range of normal usage.

To obtain warranty service, contact Ezy-Lift™ at 1-800-974-3032 during business hours,
Central Standard Time: 8:00 am - 5:00 pm Monday through Friday - excluding holidays.
Be prepared to provide: (1) Name, Address, and Phone Number; (2) Proof of Purchase; (3) Unit Serial Number;
and (4) Explanation of the Problem.
This Warranty is the only Warranty made by Ezy-Lift™ and it cannot be amended or amplified by any party.

* Please fill out the form on the following page with your company or personal information after reading this manual.

Owner Registration

I _____, have read and fully understand the safety content and procedures of the EZY LIFT 2000 owner's manual. Only designated personnel that have shown adequate knowledge of this product will be permitted to use it. I understand that Impac Manufacturing, Inc. has no direct involvement or control over the EZY LIFT 2000 operation and application once it has left the facility and, conforming to good safety practices is the responsibility of myself (the owner), the user, and its operating personnel.

_____ _____
Owner signature Date

Product serial number _____

Company/Owner Information

Company/Owner name_____

Address_____ City _____State _____

Zip code_____

Phone number (_____)-_____-_____

Fax number (_____)-_____-_____

E-mail address_____

Please Mail Registration to:

IMPAC Manufacturing, Inc.

41786 FM 510

Los Fresnos, TX 78566